**Math**

**Unit 1 – Whole Number Operations**

**Review**

1. In the number 544,321, explain the relationship between the two 4s. Make sure you identify the value of each of the 4s.

2. Explain why the following expression result in the same answer even though they use different operations and numbers.

54.32 x 103 = 54,320 5,432,000 ÷ 102 = 54,320

3. Multiply using the **standard algorithm**. Show all your work.

a. 543 x 72 b. 92 x 205

4. How are 32 x 45 an 32 x 65 similar? How are they different? Use an area model to show which partial products are the same and which are different.

5. There are 14 elm trees in a park. Three squirrels live in each elm tree.

1. On Monday, each squirrel collected 38 acorns. How many acorns did they collect on Monday? Write an expression and show all your work.
2. On Tuesday, the squirrels collected 2,814 acorns. What was the average number of acorns each squirrel collected? Write an expression and show all your work.

6. The squirrels’ park is rectangular and has an area of 1,320 square feet. One side of the park is 60 feet long. How wide is the park? Write an expression and show all your work.

7. Write a word expression for (6 + 8) x 7.

1. Create a scenario that could be represented by the expression.

1. Write a number expression that is equivalent to (6 + 8) x 7.

8. Jane’s solved the following work problem:

*Esmeralda has 884 pieces of candy. She wants to put 34 pieces of candy into each goodie bag. How many goodie bags can she make?*

Jane’s work is shown is below.

Did she solve it correctly? How do you know?

If there are any mistakes, identify and correct the mistakes.

26 r 10

Esmeralda can make 26 Halloween goodie bags. She would have 10 pieces of candy left.

34) 884

340 10

544

- 340 10

204

-160 5

44

- 34 1

10